WOAH Reference Laboratory Reports Activities 2023
Activities in 2023
This report has been submitted: 12 juin 2024 13:03

**Laboratory Information**

| Name of disease (or topic) for which you are a designated WOAH Reference Laboratory: | Porcine reproductive and respiratory syndrome |
| Address of laboratory: | Partyzantow Str. 57, 24-100 Pulawy |
| Tel.: | +48-81 889 30 30 |
| E-mail address: | Katarzyna.Podgorska@piwet.pulawy.pl |
| Website: | https://www.piwet.pulawy.pl/ |

**Name (including Title) of Head of Laboratory (Responsible Official):**

Professor Stanisław Winiarczyk, DVM, PhD, ScD

**Name (including Title and Position) of WOAH Reference Expert:**

Katarzyna Podgorska, MSc, PhD, Assistant Professor, Head of Swine Diseases Department

**Which of the following defines your laboratory? Check all that apply:**

Governmental

**TOR1: DIAGNOSTIC METHODS**

1. Did your laboratory perform diagnostic tests for the specified disease/topic for purposes such as disease diagnosis, screening of animals for export, surveillance, etc.? (Not for quality control, proficiency testing or staff training)

   Yes

<table>
<thead>
<tr>
<th>Diagnostic Test</th>
<th>Indicated in WOAH Manual (Yes/No)</th>
<th>Total number of test performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>Yes</td>
<td>Nationally: 5377, Internationally: 11</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RT-PCR</td>
<td>Yes</td>
<td>Nationally: 508, Internationally: 22</td>
</tr>
</tbody>
</table>

**TOR2: REFERENCE MATERIAL**

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOAH?

   No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOAH Members?

   Yes

<table>
<thead>
<tr>
<th>TYPE OF REAGENT AVAILABLE</th>
<th>RELATED DIAGNOSTIC TEST</th>
<th>PRODUCED/ PROVIDE</th>
<th>AMOUNT SUPPLIED NATIONALLY (ML, MG)</th>
<th>AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)</th>
<th>NO. OF RECIPIENT WOAH MEMBER COUNTRIES</th>
<th>COUNTRY OF RECEPIENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serum positive for PRRSV-specific antibodies</td>
<td>ELISA</td>
<td>Produced 10 ml</td>
<td>2 ml</td>
<td>3 ml</td>
<td>2</td>
<td>POLAND,</td>
</tr>
<tr>
<td>Serum negative for PRRSV-specific</td>
<td>ELISA</td>
<td>Produced 50 ml</td>
<td>32 ml</td>
<td>-</td>
<td>1</td>
<td>CZECH REPUBLIC,</td>
</tr>
</tbody>
</table>
antibodies

Reference RT-PCR
Positive control
RT-PCR
Produced 90 vials x 150 µl
2 ml
-
1
POLAND,

4. Did your laboratory produce vaccines?
No
5. Did your laboratory supply vaccines to WOAH Members?
No

TOR3: NEW PROCEDURES

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?
No
7. Did your laboratory validate diagnostic methods according to WOAH Standards for the designated pathogen or disease?
No
8. Did your laboratory develop new vaccines for the designated pathogen or disease?
No
9. Did your laboratory validate vaccines according to WOAH Standards for the designated pathogen or disease?
No

TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAH Members?
Yes

<table>
<thead>
<tr>
<th>NAME OF WOAH MEMBER COUNTRY SEEKING ASSISTANCE</th>
<th>DATE</th>
<th>WHICH DIAGNOSTIC TEST USED</th>
<th>NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC SUPPORT</th>
<th>NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY DIAGNOSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOUTH AFRICA</td>
<td>2023-08-25</td>
<td>ELISA, RT-PCR</td>
<td>0</td>
<td>11</td>
</tr>
</tbody>
</table>

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAH Member?
Yes

<table>
<thead>
<tr>
<th>NAME OF THE WOAH MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY</th>
<th>PURPOSE</th>
<th>HOW THE ADVICE WAS PROVIDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>CZECH REPUBLIC</td>
<td>Recommendations on pooling samples for RT-PCR and RT-PCR validation.</td>
<td>Remote</td>
</tr>
<tr>
<td>FINLAND</td>
<td>Validation of ELISA test.</td>
<td>Remote</td>
</tr>
</tbody>
</table>

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAH Members other than the own?
No
13. In exercising your activities, have you identified any regulatory research needs* relevant for WOAH?
No

TOR6: EPIZOOLOGICAL DATA

14. Did your Laboratory collect epidemiological data relevant to international disease control?
Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

Monitoring of PRRSV infections in Poland.

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?
Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

Annual report on the occurrence of PRRSV infections in Poland.

16. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category and list the details in the box)

a) Articles published in peer-reviewed journals:

b) International conferences:

c) National conferences:

d) Other (Provide website address or link to appropriate information):

Annual report on the national surveillance for PRRS, submitted to the Ministry of Agriculture and Rural Development, Poland

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAH Members?

No

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

19. Is your quality management system accredited?

20. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?

TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOAH?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAH?

No

TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES

23. Did your laboratory exchange information with other WOAH Reference Laboratories designated for the same pathogen or disease?

No

24. Do you network (collaborate or share information) with other WOAH Reference Laboratories designated for the same pathogen?

No

25. Did you organise or participate in inter-laboratory proficiency tests with WOAH Reference Laboratories designated for the same pathogen?
No

26. Did your laboratory collaborate with other WOAH Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

**TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING**

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOAH Reference Laboratories for the same pathogen?

Yes

<table>
<thead>
<tr>
<th>Purpose for inter-laboratory test comparisons</th>
<th>Role of your reference laboratory (organizer/participant)</th>
<th>No. participating laboratories</th>
<th>Name of the Test</th>
<th>WOAH Member Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Determining a laboratory’s capability to conduct specific diagnostic tests</td>
<td>Organizer (participants - state veterinary laboratories)</td>
<td>4</td>
<td>ELISA</td>
<td>POLAND</td>
</tr>
</tbody>
</table>

**TOR12: EXPERT CONSULTANTS**

28. Did your laboratory place expert consultants at the disposal of WOAH?

Yes

29. Additional comments regarding your report:

Yes

ToR 3 New procedures: The porcine reproductive and respiratory syndrome is endemic in most of pig-producing countries. Multiple commercial diagnostic kits are available and new commercial kits are introduced to the market each year. Our laboratory performs a thorough evaluation of new kits, including analysis of gaps in validation and confirmation of selected validation parameters, and issues opinions for veterinary services on their potential use. In 2023 two RT-PCR kits and one ELISA kit were evaluated and approved for use in PRRS diagnostics.

ToR 5: In 2023 our laboratory participated in the preparation of an application for collaborative scientific study within the European Partnership for Animal Health and Welfare, which was approved and started in 2024.

ToR 7 Scientific and technical training: In 2023 there were no requests for technical training. The laboratory is fully prepared to provide the infrastructure and expertise for international testing and training if required. Additionally each year seminars are organized for Polish veterinary services and agriculture advisory organizations.